

In re the Application of **Paul Terence Callaghan et al.**  
Application No. 10/520,862  
Docket No. 0074-510506

**AMENDMENT AND RESPONSE  
TO NON-FINAL ACTION**

The Applicant submits the following in response to the Official Action mailed on June 14, 2007.

Amendments to the Claims begin at **page 2**.

The Applicant's **Remarks** begin at **page 8**.